



Govt. of India  
Ministry of New & Renewable Energy  
Solar Energy Centre  
P.O. & Village Gwalpahari, Distt. Gurgaon  
Haryana, India

2013-2014

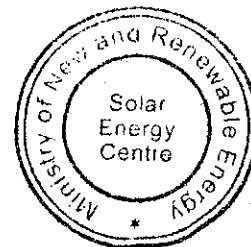
## TEST REPORT ON BATTERY

Sample ID No. 24/13/BT.

Manufactured by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,  
Community Centre, Janakpuri, New Delhi-110058.Submitted by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,  
Community Centre, Janakpuri, New Delhi-110058.

This is a report on measurements of **Capacity rating and Charge efficiency** carried out on the battery (sample no. 24/13/BT) submitted at Solar Energy Centre as per **IS 13369:1992** standards. The data reported in this TEST REPORT are valid at the time of and under the stipulated conditions of measurement and the test results are applicable to this battery only and do not apply to other batteries even though declared to be identical. The data contents in this report do not constitute a qualification test certificate. SEC does not accept any liability for any consequences including commercial or otherwise arising out of the utilization of the information contained in this report.

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*Harish Seljal*

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# TEST REPORT OF LEAD ACID BATTERY

Sample ID No. 24/13/BT

Manufactured by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,  
Community Centre, Janakpuri, New Delhi-110058.

Submitted by : M/s Luminous Power Technologies Pvt. Ltd., C-8&C-9,  
Community Centre, Janakpuri, New Delhi-110058.

S.No	Test Description	Manufacture's Claim	Observations	Remarks
1	(i) Brand (ii) Type  (iii) S.No. (iv) Year (v) <u>Rating</u> (a) Voltage (b) Capacity at C10 discharge rate  (vi) Dimension (mm) (vii) Weight before testing (Kg)	LUMINOUS Lead-Acid (LPT12100L) BAJ2048947 2013  12V 100Ah  505X220X292 45.8Kg	LUMINOUS Lead-Acid (LPT12100L) BAJ2048947 2013  12V 105.5Ah  505X220X292 40.72Kg	cut off voltage 11.1V
2	<b>Charging Efficiency:</b> (A) Capacity on discharging at (C 10) constant current continuously up to cut off voltage. (B) Capacity after recharging the battery by 108.2Ah and then again discharging up to cut off voltage. (C) Charging efficiency Ah and Wh.		108.2Ah  107.1Ah  98.98% and 88.14%.	Average discharging voltage= 12.121V Average charging voltage =13.611V

Prepared by: *Harish Sehgal*

Date : 26/7/13

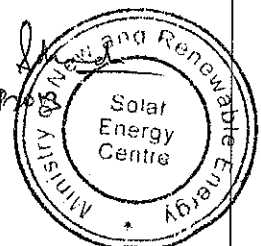
Approved by: *Prakash Kumar*

Date:

26-7-13

Issued by: *[Signature]*

Date: 30/7/13



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